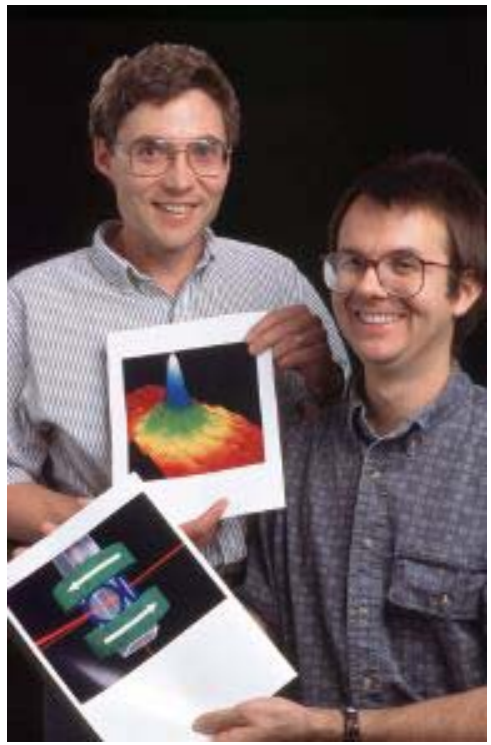
JILA

An overview for the Visiting Committee on Advanced Technology

Katharine B. Gebbie,

Director, NIST Physics Laboratory



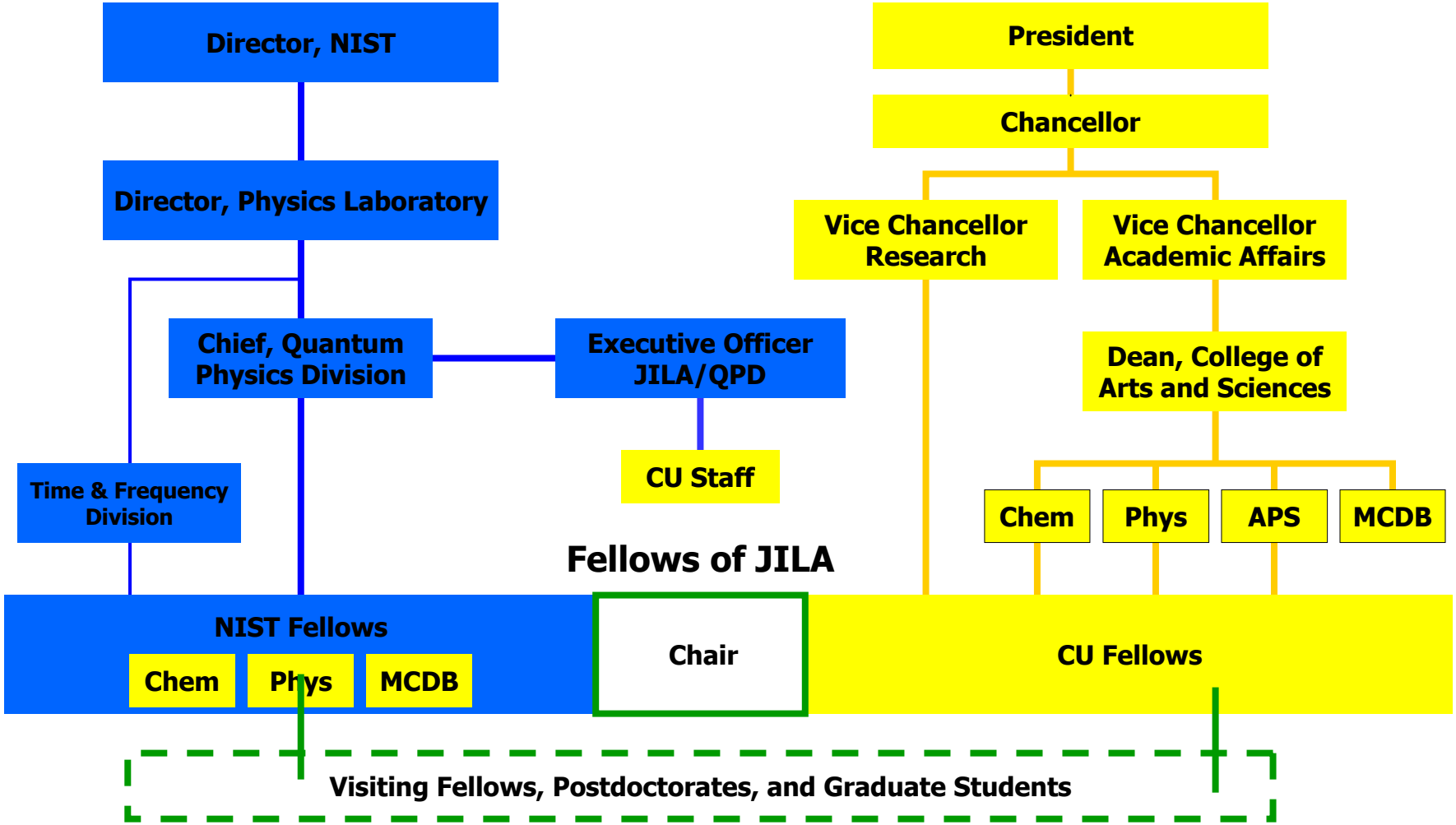
September 10, 2002

NIST
National Institute of Standards and Technology
Technology Administration, U.S. Department of Commerce

OUTLINE OF TALK

- Brief History
- Structure, Operations and Funding
- Strengths
- Role in Physics Laboratory

JILA


Director, NIST
Director, Physics Laboratory
Chief, Quantum Physics Division
Executive Officer JILA/QPD
CU Staff
Time & Frequency Division
NIST Fellows
Chem
Phys
MCDB
Fellows of JILA
Chair
President
Chancellor
Vice Chancellor Research
Vice Chancellor Academic Affairs
Dean, College of Arts and Sciences
Chem
Phys
APS
MCDB
CU Fellows
Visiting Fellows, Postdoctorates, and Graduate Students

JILA STRENGTHS

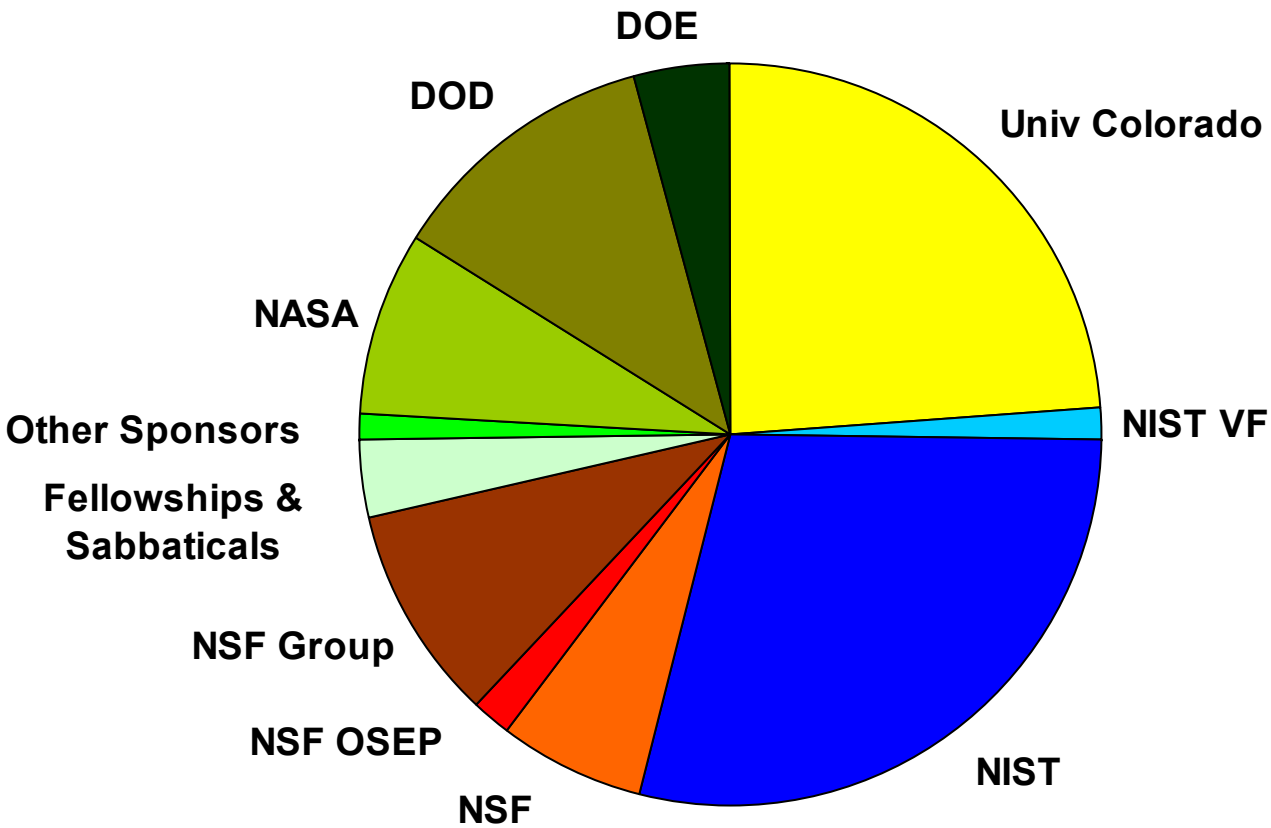
- Management structure
- Infrastructure
- Funding
- Focus
- Location
- Culture

Advantages of JILA to NIST

- Critical mass
- Leverage in achieving our mission
- Adjoint faculty positions
- Technology transfer

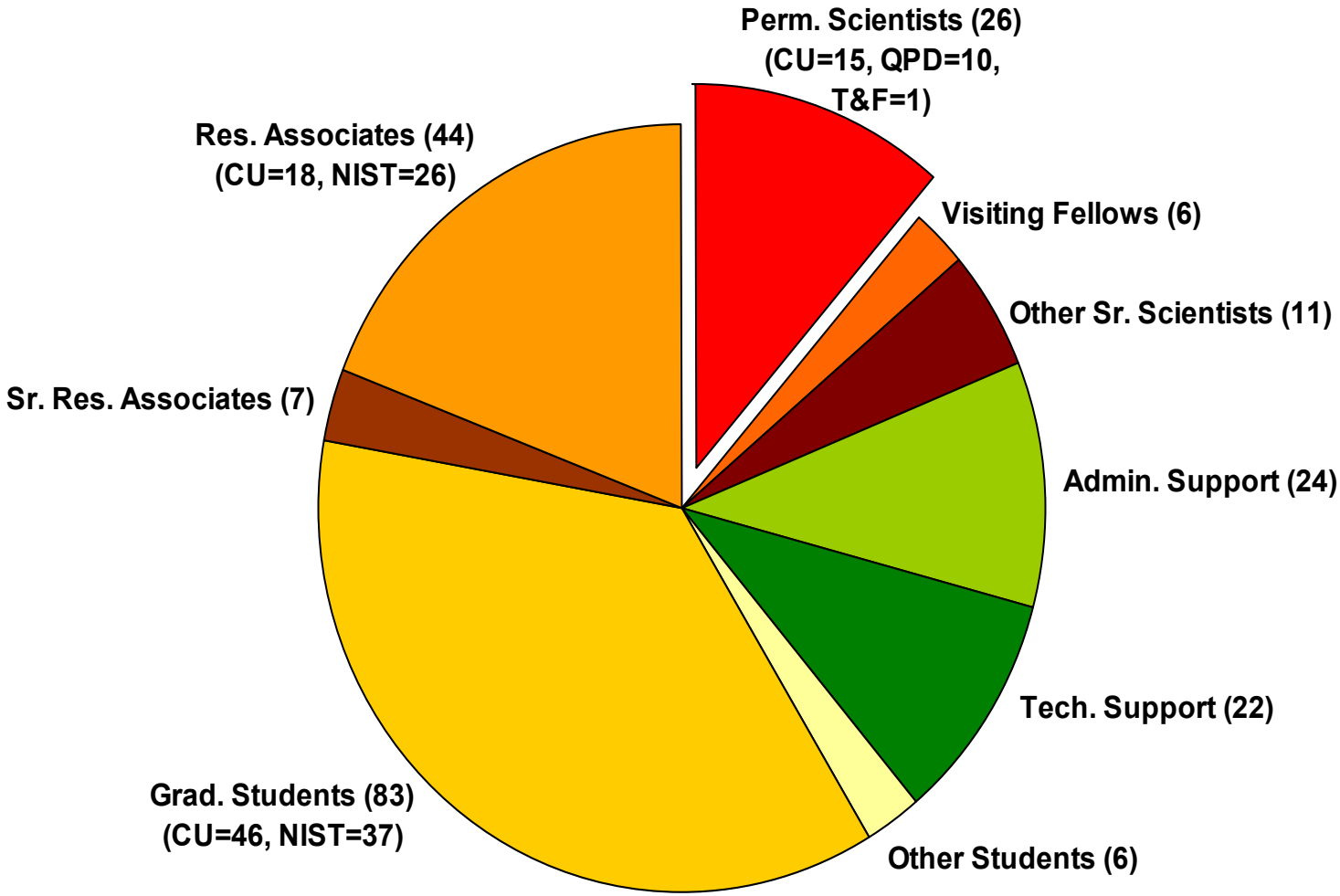
JILA FUNDING 2001-2002

Total - $25,337,769

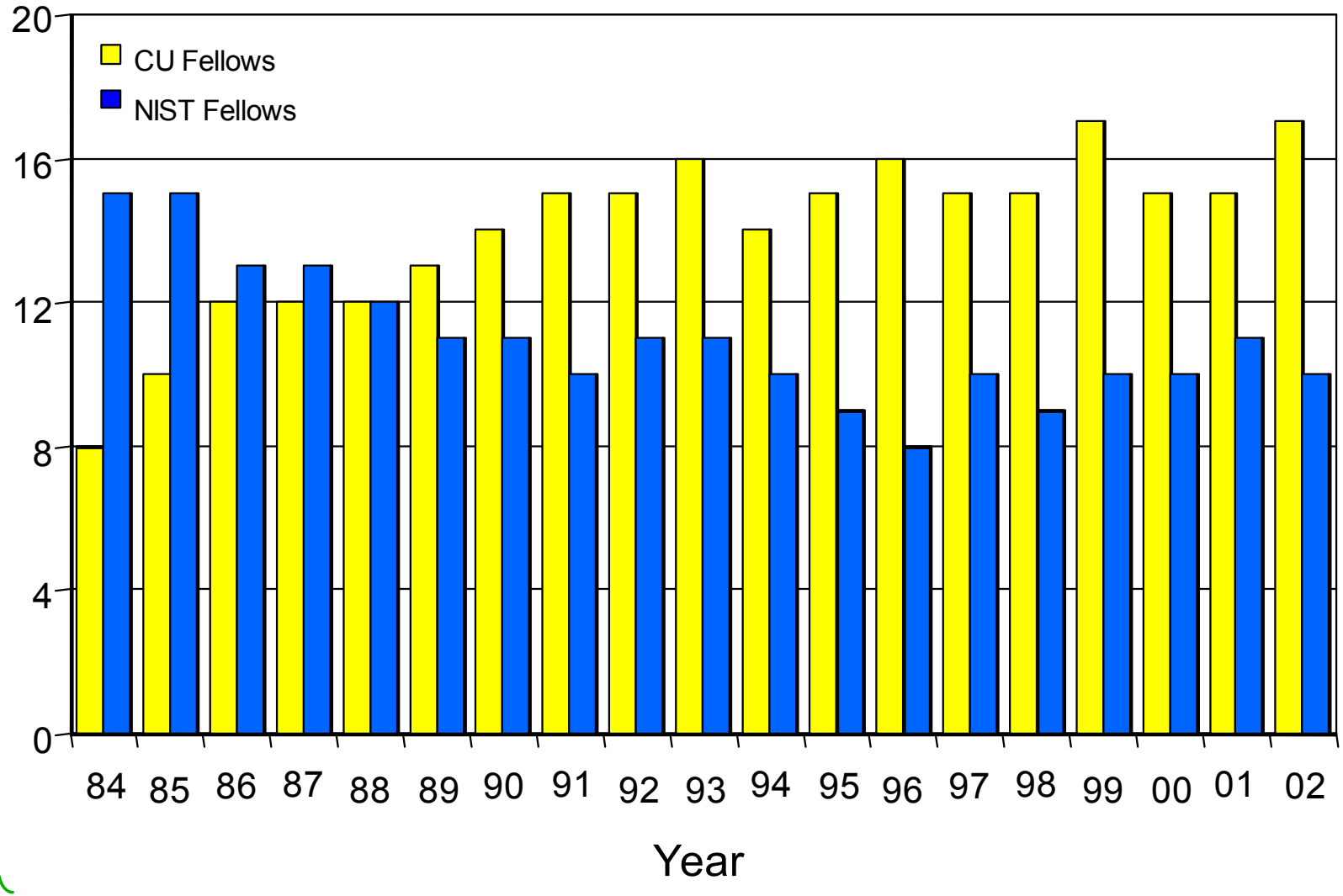


JILA STAFFING 2002

Total FTE - 229



JILA Fellows



Quantum Physics Division Mission

The Quantum Physics Division supports the U.S. economy by working with industry and academe to advance the frontiers of measurement science and commercialize the results of its endeavors. In pursuit of this mission, the Division:

- **develops the laser as a precise measurement tool;**
- **determines fundamental constants and tests the fundamental postulates of physics;**
- **exploits Bose-Einstein condensation for metrology and low temperature physics;**
- **devises new ways to direct and control atoms and molecules;**
- **characterizes chemical processes and their interactions with nanostructures.**